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link *j* of the stopper ; *k* a double-threaded screw on the other end of the bar *g* ; *l* the screwed end of a crank-handle *m*, fitted on the screw *k* ; the other end *n* is well secured, yet so as to turn freely in the plate *o o* ; *p p* the bolts which secure this plate to the beam *e*.

Fig. 2 shows the sliding-bar *g* separate. It is evident that on turning the crank *m* one way, it unscrews from the bar *g*, and as it cannot retreat (being stopped by the beam *e*), the bar is therefore slid through the beam *d*, and loosens the stopper, so that the links *j* may be lifted off the hook *i*, and on turning it the other way, it draws the bar *g* back, which pulls the stopper *a* after it, and presses the chain-cable *f* quite tight against the iron elbow *q*.

X.—CLOSET FOR OFFICIAL PAPERS.

The SILVER VULCAN MEDAL was this Session presented to W. J. CHARLTON, Esq. of the War Office, for his CLOSET FOR OFFICIAL PAPERS, a Model of which has been placed in the Society's Repository.

SIR ;

War Office, June 7, 1826.

I DO myself the honour of sending, for the inspection of the Society of Arts, a model of a press, which I believe differs from any hitherto in use. It has been approved of by all who have seen it, and its convenience I can speak to, having made use of it for some years in the War Office ; it is particularly adapted for the use of the public departments of government.

I am, Sir,

A. Aikin, Esq.

&c. &c. &c.

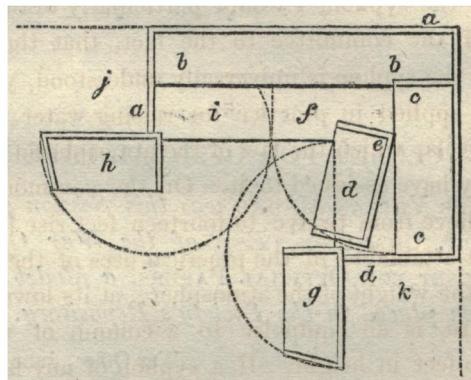
Secretary, &c. &c.

W. J. CHARLTON.

P. S.—I have sent the model of the press situated in the corner of the room, as being the most intricate.

The press presents externally two doors, each carrying a set of shelves, which opens outward with the door, and is thus very accessible. Facing the moveable shelves is a similar set of fixed ones, besides another case, turning outward on a vertical pivot, and thus capable of being brought into view at pleasure.

By this arrangement the corners of a room afford much more accommodation than when fitted up in the ordinary way. Libraries, cabinets of Natural History, merchants' papers, &c. which, from their constant tendency to accumulate, often become inconveniently bulky for stowage in private houses, might be considerably reduced in the space they occupy by the adoption of this arrangement.



Reference to the Diagram.

a a a A horizontal section or plan of the closet; *b b* and *c c* two sets of shelves half the depth of the closet; *d a* smaller moveable set, hinged or jointed at *e*, this shuts into the space *f*, and then the set *g* will shut into the place now occupied by *d*; *h* a third set, shutting into the place *i*. It is evident that when *g* is open, access is had both to it and to the shelves *c c*; and, by opening or turning back *d* and *h*, as in the figure, access is had both to them and to the shelves *b b*. The spaces *j* and *k* are supposed to be occupied by other cases or furniture: the height and number of shelves are, of course, arbitrary.